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MADE IN CHINA

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NETIS 16/24 Port
Desk-top & Rack-mountable
Fast Ethernet Switch
User Manual

Certification
FCC CE

FCC Statement

This Equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which

Warning:

[A shielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the nearby radio and television reception.it is essential that only the supplied power cord be used.]

[Use only shielded cables to connect I/O devices to this equipment.]

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment

[ ]:depend on EUT condition.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Package Contents

The following items should be found in your package:

>16/24 Port Desktop or Rack-mountable Fast Ethernet Switch

>Power Adapter

>User Manual

>Rack Brackets

>Screws

Make sure that the packets contains above items. If any of the above items is missing or damaged, please contact your distributor.

16/24 Port Desktop & Rack-mountable Fast Ethernet Switch User Manual

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1.Introduction

1.1.Product Overview

The 16/24 Port Desktop & Rack-mountable Fast Ethernet Switch is designed to allow simultaneous transmission of multiple packets via an internal high-speed data channel. This means that it can partition a network more efficiently than bridges or routers in most environments .This 16/24 Port Desktop & Rack-mountable Fast Ethernet Switch is a highly reliable network switch and is the ideal device for bridging Ethernet to Fast Ethernet work groups or networks .Simple and cost-effective, it supports IEEE802.3 10Base-T Ethernet and IEEE802.3u 100Base-TX Fast Ethernet. Designed specifically for connecting work group devices and desktops, companies no longer have to invest in expensive and inflexible switches engineered primarily for backbone implementations. Companies can deploy this scalable, affordable switch that increases the aggregate bandwidth of the network by boosting throughput to the work groups that need it most.

1.2.Main Features

> Compliant with IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX

> 16/24 port 10/100Mbps TX Auto-Negotiation Ethernet Switch

> 3.2/4.8Gbps switching fabric capacity

>Full/Half-Duplex capability on each TX port

> Supports TP interface Auto MDIX function for auto TX/RX swap

> IEEE802.3x flow control for full-duplex, back pressure function for half-duplex operation

> Supports up to 8K MAC addresses

> LED indicators for simple diagnostics

> Built-in power supply

> Plug and Play

1.3.Standards

> IEEE 802.3 10Base-T

> IEEE 802.3u 100Base-TX

> IEEE 802.3x Flow Control

> IEEE 802.3az

1.4.Working Environment

Temperature:

> 0° to 40° C (operating)

> -40° to 70° C (storage)

Humidity:

> 10% to 90 % non-condensing (operating)

> 5% to 90% non-condensing (storage)

Power:

> 100 - 240VAC, 50 - 60Hz

2.Installation

2.1.Before Installation

Take note of the following conditions before using your switch:

> Install the 16/24 port desktop & rack-mountable fast Ethernet switch in a fairly cool and dry place. See Working Environment for the acceptable operating temperature and

humidity ranges

> Install the switch in a site free from strong electromagnetic sources, vibration, dust, and direct sunlight.

> Leave at least 10cm of space to both the left and right of the switch for ventilation.

> Visually inspect the AC power jack and make sure the power adapter cord is securely connected.

> Do not place items on top of switch

2.2.Installation

> Desktop or Shelf Installation

When installing the switch on a desk or shelf, the rubber feet included with the device should first be attached. Attach these cushioning feet on the bottom at each corner of the device.
Allow enough ventilation space between the device and the objects around it.

> Rack Installation

The Switch can be mounted in an standard 1U rack space. To install, attach the mounting brackets (one on each side) and secure them with the screws provided. Then, use the screws provided with the rack to mount the Switch in the rack.

2.3.Connecting the 16/24 Port Desktop & Rack-Mountable Fast Ethernet Switch to Your Network

Description	Function
PWR	Connect to power adapter provided with unit. Don't use other power adapters as your switch could be damaged.
1X-16X/24X	These ports support network speeds of 10Mbps or 100Mbps, and can operate in half and full-duplex transfer modes. These ports also support automatic MDI/MDIX detection, which gives the Switch true 'plug and play' capabilities. Just connect any network cable from a device to the switch, and the switch will automatically detect the settings of the device and adjust itself accordingly.

2.4.LED Indicators

The LED Indicators will allow you to monitor, diagnose and troubleshoot any potential problem with the switch, connection or attached devices.

LED	Function	
PWR	On	Power on
	Off	Power off
LINK/ACT	On	Corresponding port connection normal
	Flashing	Corresponding port data transmitting
	Off	Corresponding port connection abnormal/not connected
10/100M	ON	Corresponding port works at 100Mbps
	OFF	Corresponding port works at 10Mbps

3.Troubleshooting

1. The Power LED is not lit

> Check if the AC power cord is well connected. Try to unplug and plug back in the power cord to the switch or try another power outlet.

2. The Link LED is not lit

> Make sure the network configuration of connecting device is correct, and network card and drivers are installed correctly.

> Check the cable connections.

> Make sure the cable distance between the switch and other IEEE802.3 compatible network device does not exceed 100 meters.

3. Performance is bad

> Check the status of Ethernet switching. If Ethernet switching is set to full-duplex on one device but a partner is set to half-duplex, then performance will be poor.

> Make sure the cable between the switch and other IEEE802.3 compatible network device is Category 5 UTP or better.

4. Some devices can't talk to other devices on the network

> Check status of the Link LEDs to make sure devices are linked.

> Make sure that the devices' network configurations are correct.

> Reset the switch if needed.

USA/Canada Technical Support:

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